

HEADLAMP AIMING ADJUSTMENT

< ON-VEHICLE MAINTENANCE >

[XENON TYPE]

ON-VEHICLE MAINTENANCE

HEADLAMP AIMING ADJUSTMENT

Description

INFOID:000000001604717

PREPARATION BEFORE ADJUSTING

NOTE:

- For details, refer to the regulations in your own country.
- Perform aiming if the vehicle front body has been repaired and/or the headlamp assembly has been replaced.

Before performing aiming adjustment, check the following.

- Adjust the tire pressure to the specification.
- Fill with fuel, engine coolant and each oil.
- Maintain the unloaded vehicle condition. (Remove luggage from the passenger compartment and the trunk room.)

NOTE:

Do not remove the temporary tire, jack and on-vehicle tool.

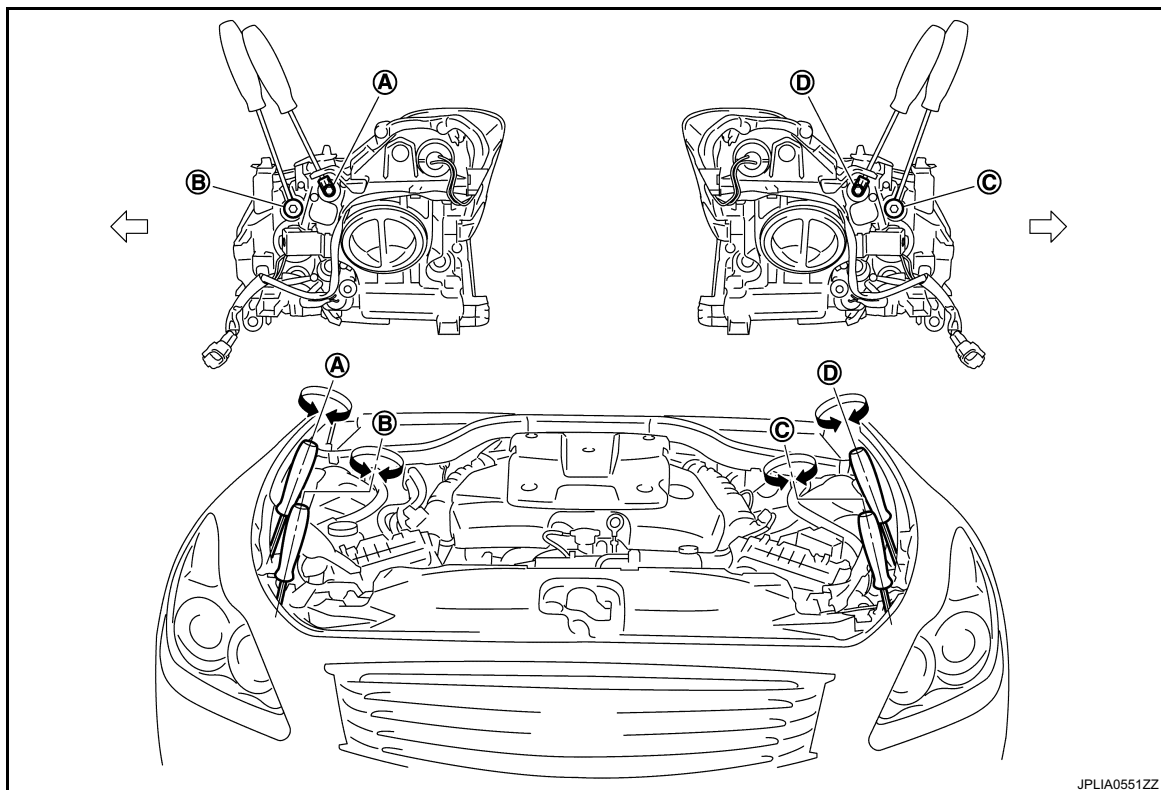
- Wipe out dirt on the headlamp.

CAUTION:

Never use organic solvent (thinner, gasoline etc.)

- Ride alone on the driver seat.

AIMING ADJUSTMENT SCREW



A Headlamp (RH) adjustment screw

B. Front fog lamp (RH) adjustment screw

C. Front fog lamp (LH) adjustment screw

D. Headlamp (LH) adjustment screw

↔: Vehicle center

NOTE:

The figure is the vehicle without AFS. Each adjustment screw is applied to the vehicle with AFS.

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	Adjustment screw	Screw driver rotation	Facing direction
A	Headlamp (RH)	Clockwise	UP
		Counterclockwise	DOWN
B	Front fog lamp (RH)	Clockwise	DOWN
		Counterclockwise	UP
C	Front fog lamp (LH)	Clockwise	DOWN
		Counterclockwise	UP
D	Headlamp (LH)	Clockwise	UP
		Counterclockwise	DOWN

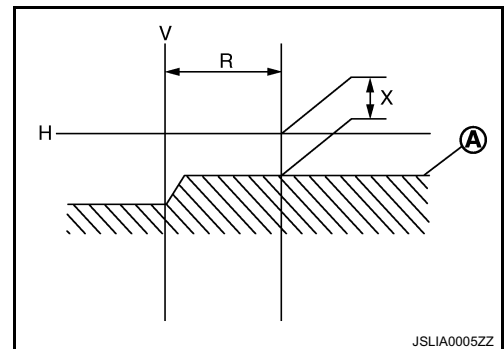
Aiming Adjustment Procedure

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1. Place the screen.
 - NOTE:**
 - Stop the vehicle facing the wall.
 - Place the board on a plain road vertically.
2. Face the vehicle with the screen. Maintain 10 m (32.8 ft) between the headlamp center and the screen.
3. Start the engine. Turn the headlamp (LO) ON.
 - NOTE:**
 - Shut off the headlamp light with the board to prevent from illuminating the adjustment screen.
 - CAUTION:**
 - Never cover the lens surface with a tape etc. The lens is made of resin.**
4. Measure the distance (X) between the horizontal center line of headlamp (H) and the cutoff line (A) within the light axis measurement range (R) from the vertical center line ahead of headlamp (V).

Light axis measurement range (R) : 350 ± 175 mm (13.78 ± 6.89 in)

Low beam distribution on the screen



5. Adjust the cutoff line height (X) with the aiming adjustment screw so as to enter in the adjustment range (M–N) according to the horizontal center line of headlamp (H).

unit: mm (in)

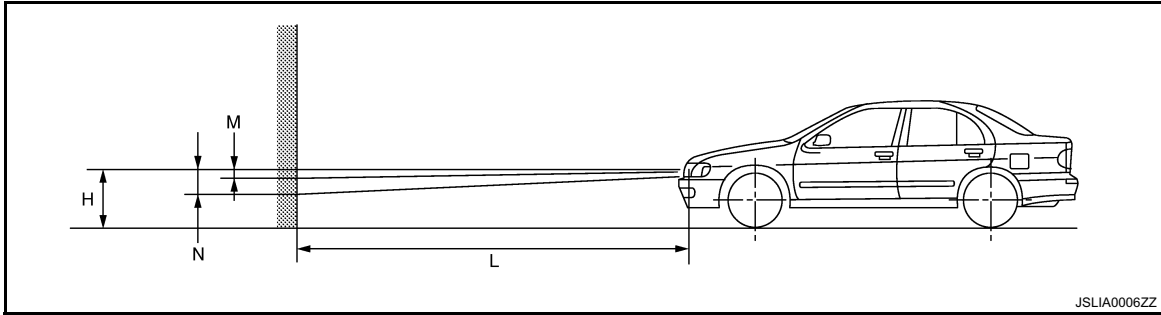
Horizontal center line of headlamp (H)	Highest cutoff line height (M)	Lowest cutoff line height (N)
700 (27.56) or less	4 (0.16)	30 (1.18)
701(27.60) – 800 (31.50)	4 (0.16)	30 (1.18)
801 (31.54) or more	17 (0.67)	44 (1.73)

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Side view



Distance between the headlamp center and the screen (L) : 10 m (32.8 ft)

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

EXL